

FIG. 1

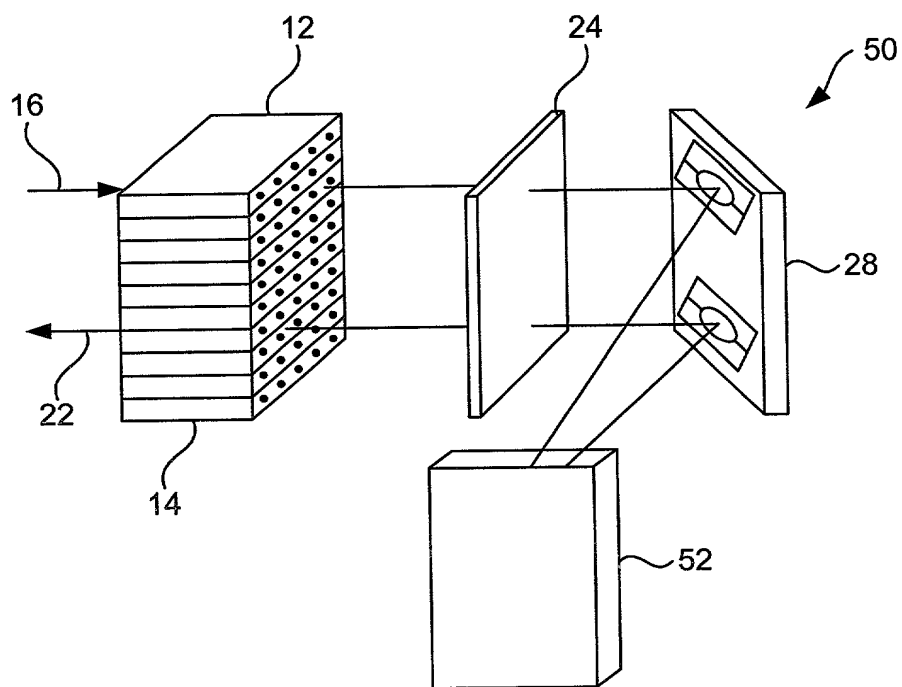


FIG. 2

Array Waveguide Grating (AWG)

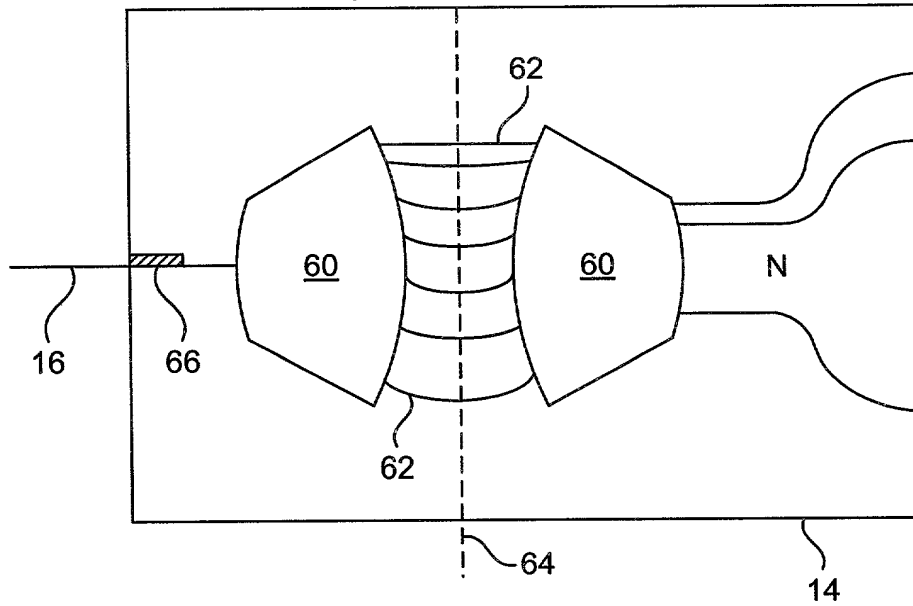


FIG. 3

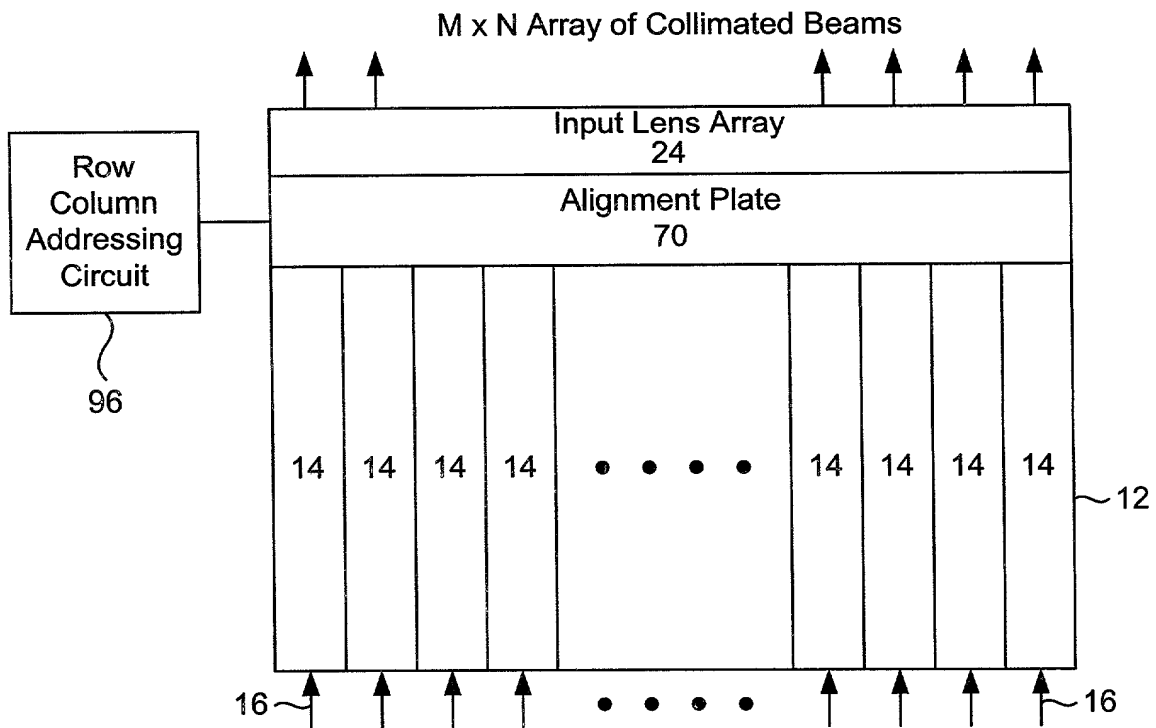


FIG. 7

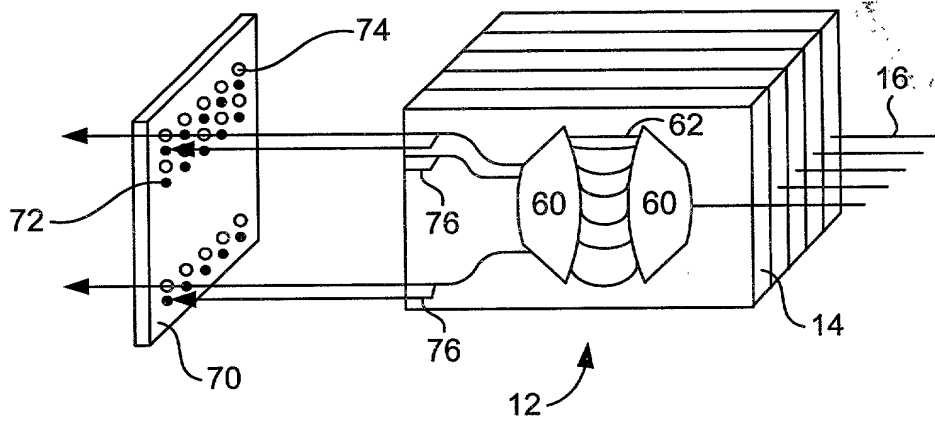


FIG. 4

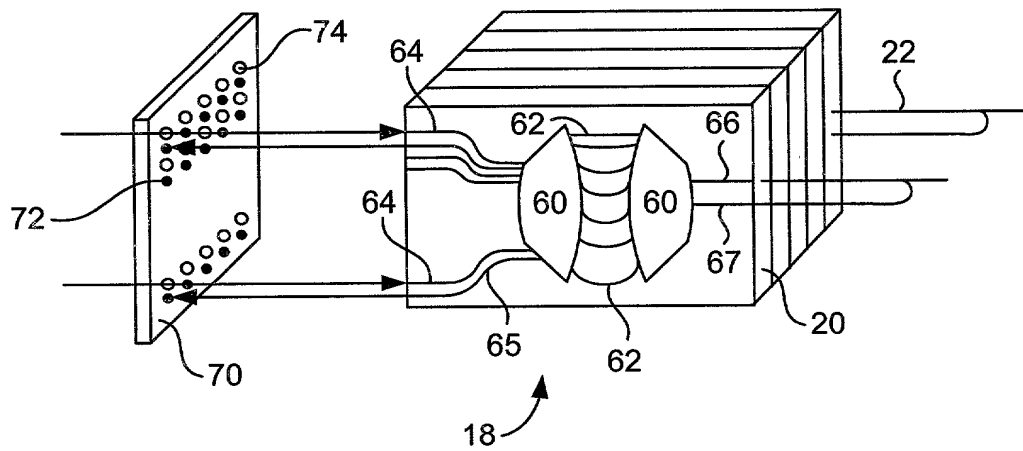


FIG. 5

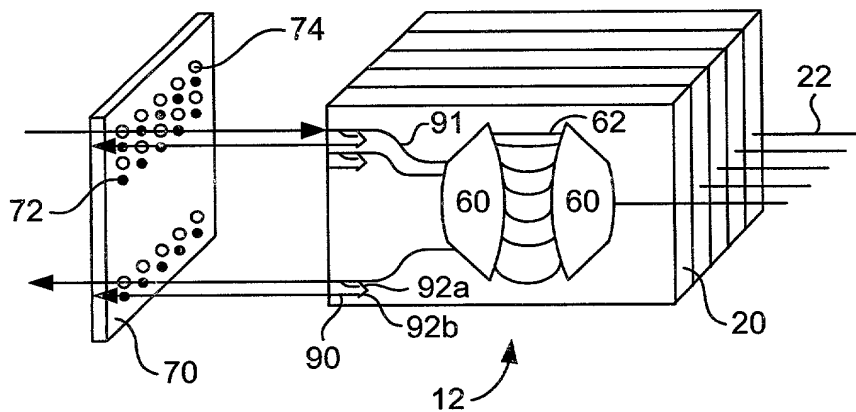


FIG. 6

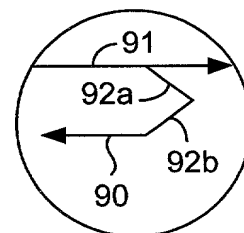


FIG. 6B

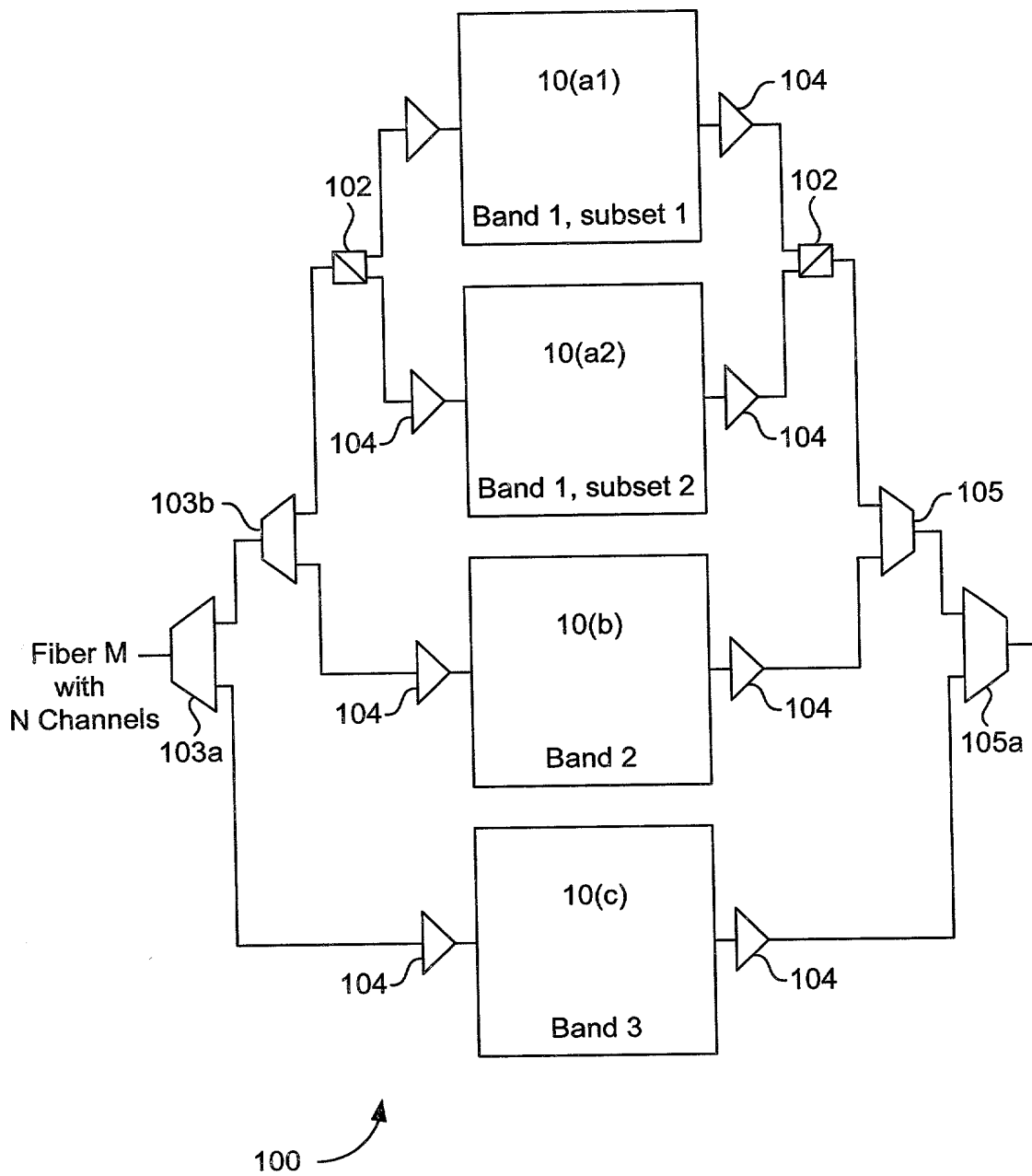


FIG. 8